

FIG. 1

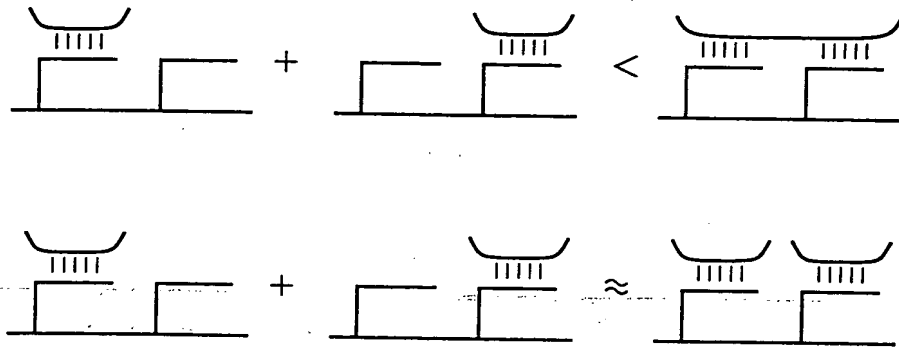


FIG. 2

CENTRAL POSITION =

A
C
G
T

PROBE 1
a

+

CENTRAL POSITION =

A	C	G	T
---	---	---	---

PROBE 2
b

=

1=A,	1=A,	1=A,	1=A,
2=A	2=C	2=G	2=T
1=C,	1=C,	1=C,	1=C,
2=A	2=C	2=G	2=T
1=G,	1=G,	1=G,	1=G,
2=A	2=C	2=G	2=T
1=T,	1=T,	1=T,	1=T,
2=A	2=C	2=G	2=T

PAIRED ARRAY
c

FIG. 3

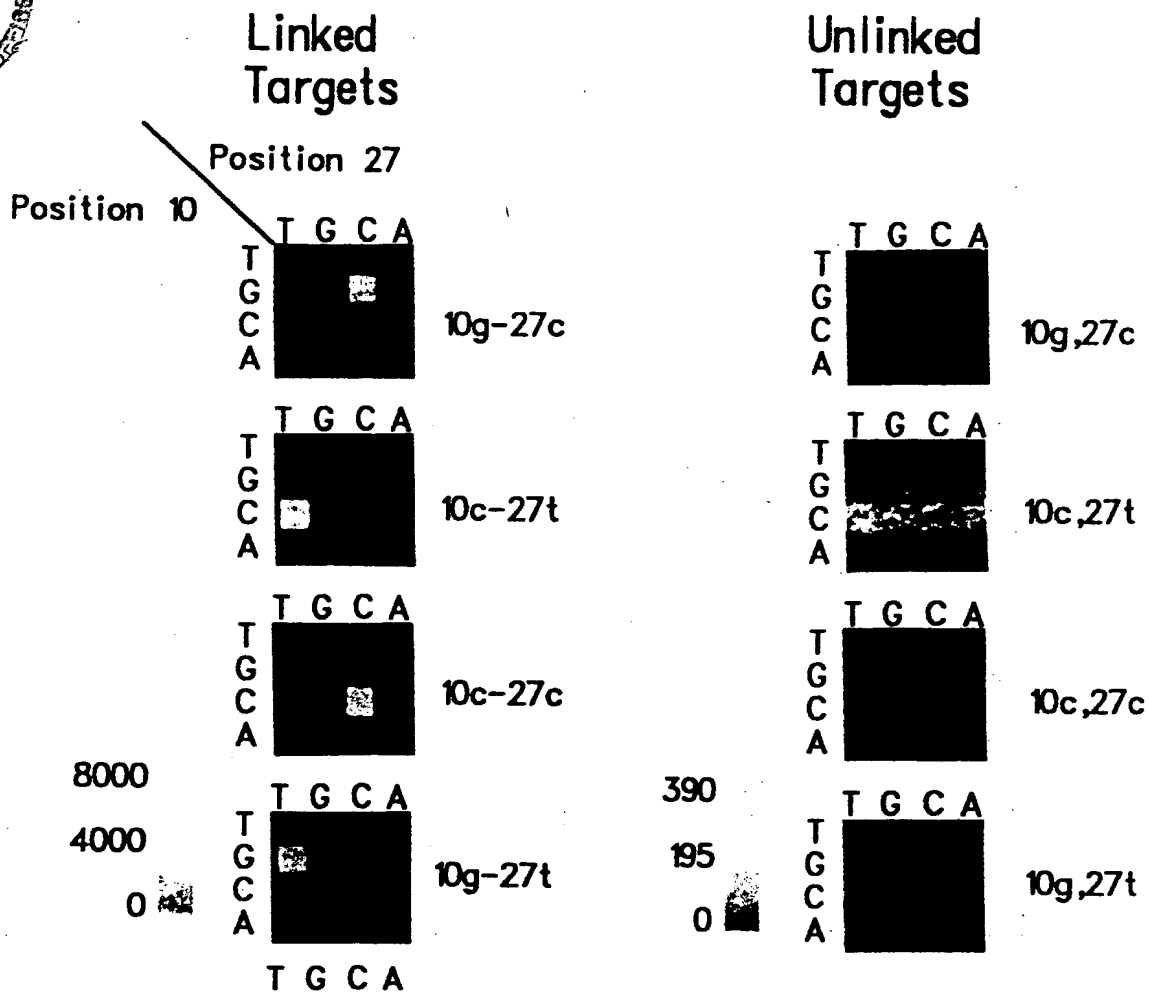


FIG. 4A

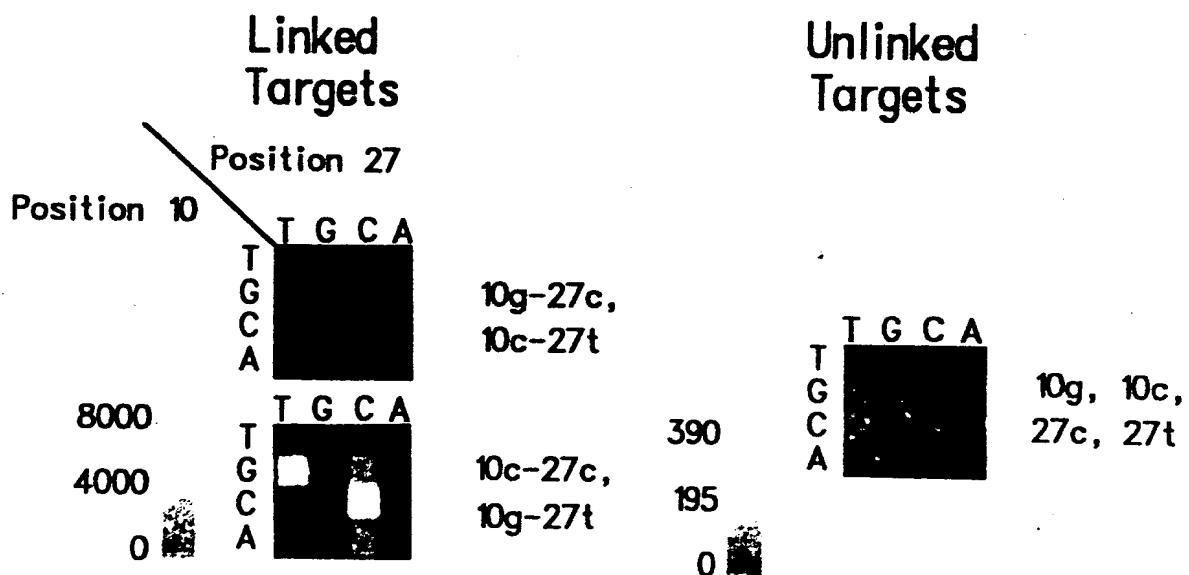


FIG. 4B

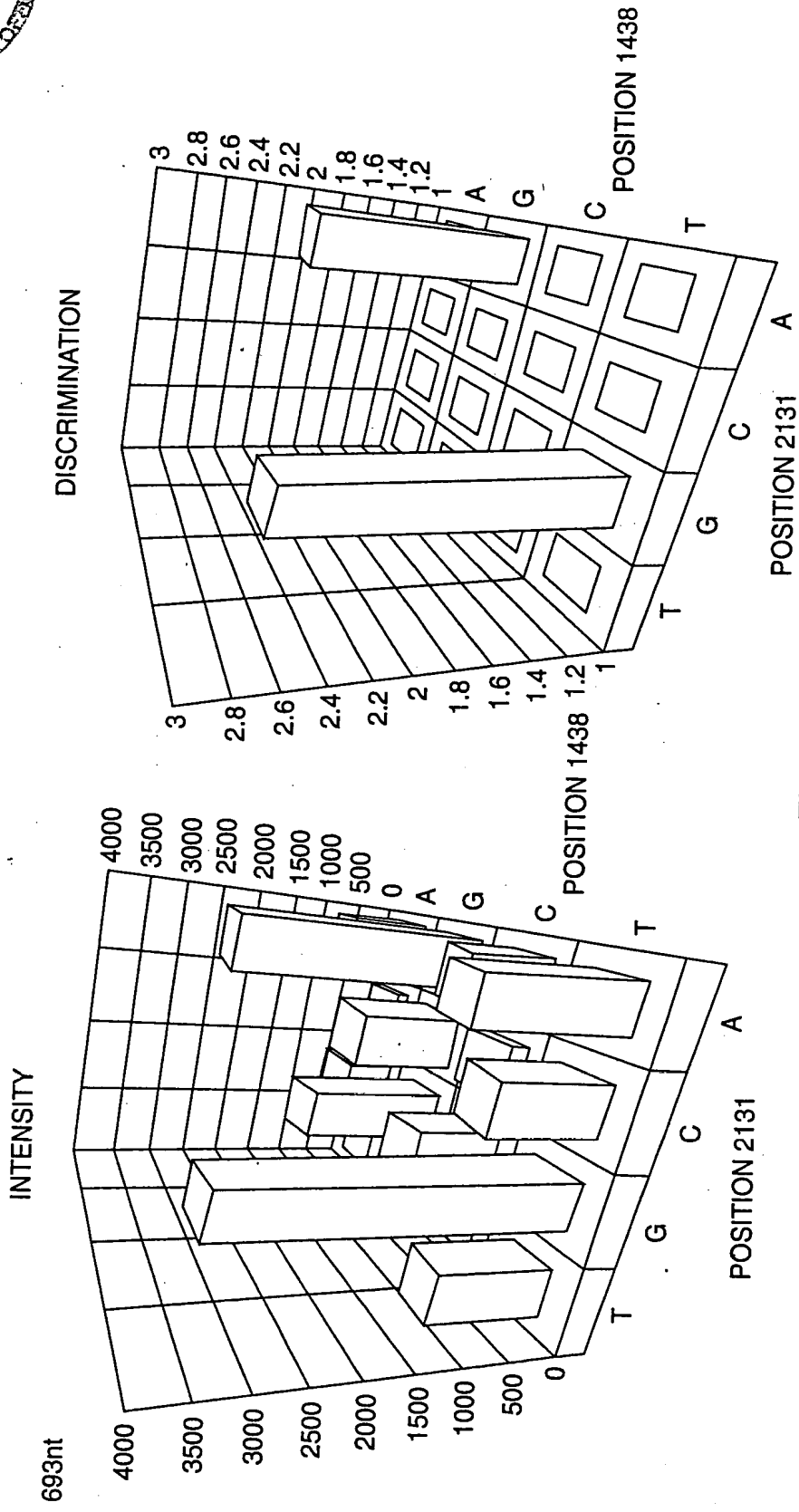


FIG. 5A

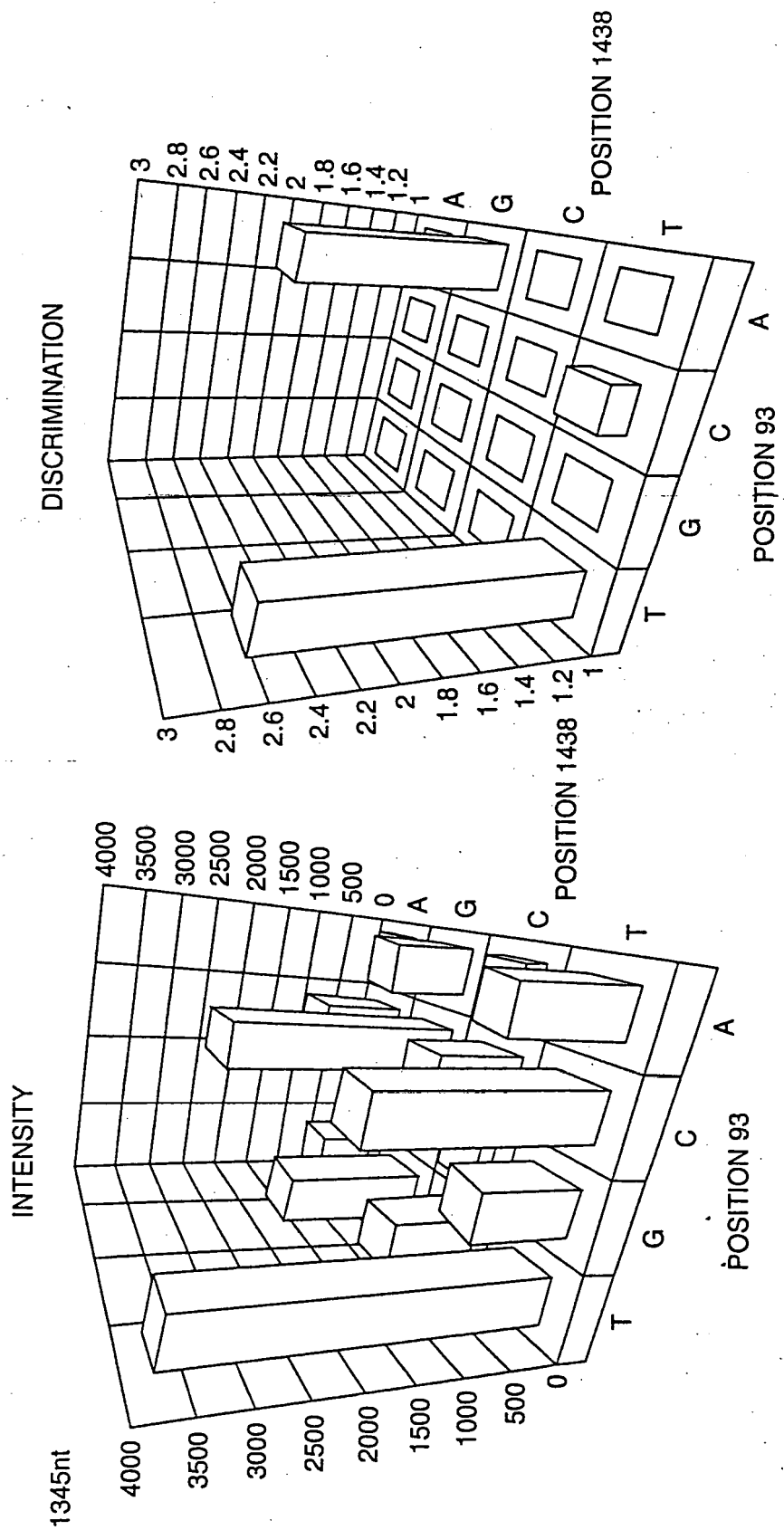


FIG. 5B

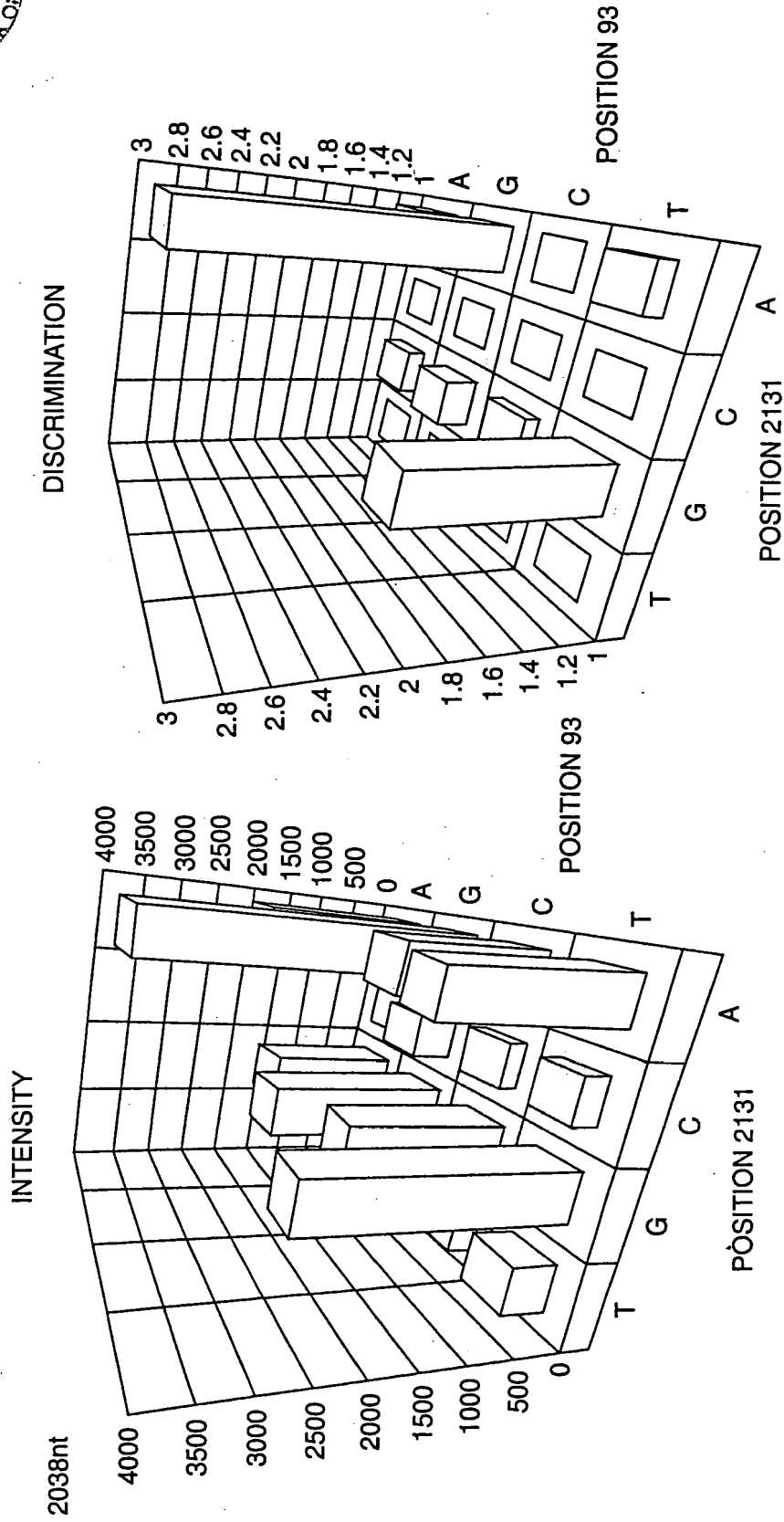


FIG. 5C

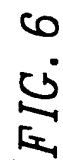
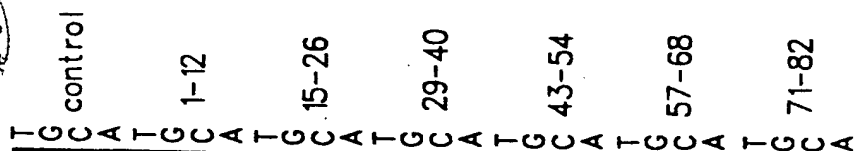


FIG. 6

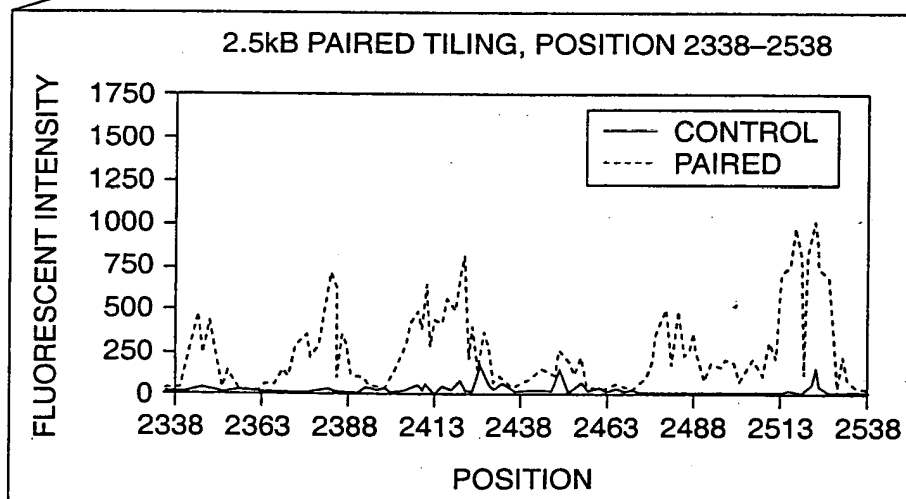
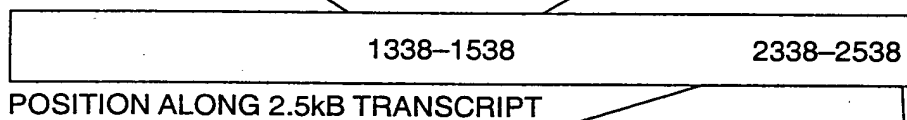
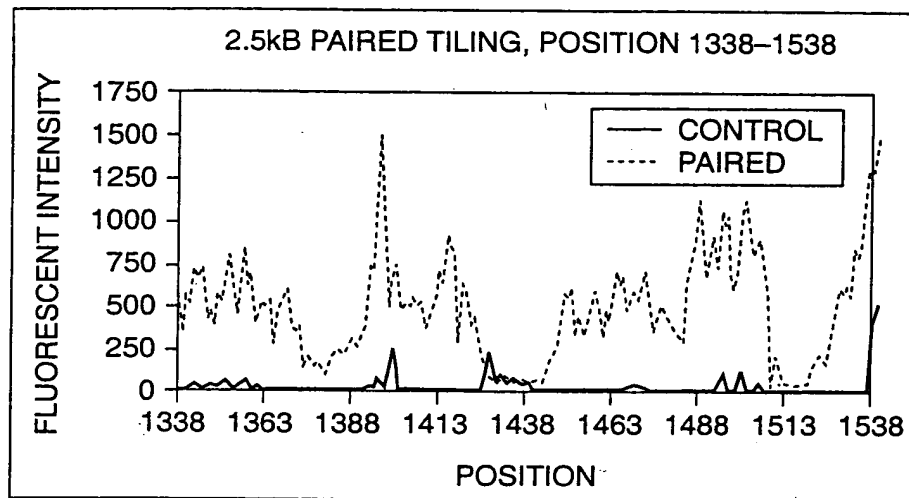


FIG. 7